

IN THE SPECIFICATION:

The Office Action objected to the omission of the application number on the page 1, line 3, and page 17, line 9.

Please replace the paragraph beginning on page 1, line 2 with the following replacement paragraph:

This application is a continuation-in-part of U.S. Patent Application Serial No. [[_____]09/745,023 titled "System and Method for Programmatically Generating a Graphical Program in Response to Program Information", filed December 20, 2000, whose inventors were Ram Kudukoli, Robert Dye, Paul F. Austin, Lothar Wenzel, and Jeffrey L. Kodosky.

Please replace the paragraph beginning on page 17, line 9 with the following replacement paragraph:

U.S. Patent Application Serial No. [[_____]09/745,023 titled "System and Method for Programmatically Generating a Graphical Program in Response to Program Information" filed on December 20, 2000, whose inventors were Ram Kudukoli, Robert Dye, Paul F. Austin, Lothar Wenzel, and Jeffrey L. Kodosky.

Please replace the paragraph beginning on page 49, line 4 with the following replacement paragraph:

A client program which requests LabVIEW to generate/edit a VI may itself be a graphical program or VI. A client VI may include particular nodes in the client VI block diagram which utilize the VI Server functionality of a LabVIEW instance to request the LabVIEW instance to obtain information of an existing VI, create a new VI, add objects to the VI, etc. These nodes and exemplary uses of the nodes are described in U.S. Patent Application Serial No. [[_____]09/745,023, titled "System and Method for Programmatically Generating a Graphical Program in Response to Program Information",

which was incorporated by reference above. (LabVIEW also provides components such as ActiveX components which enable text-based programs such as Visual Basic programs, Visual C++ programs, etc. to access the VI Server functionality. In the preferred embodiment, these components enable text-based client programs to perform all of the VI server functions that graphical client programs can perform.)

Please replace the Abstract with the following replacement Abstract:

[[A s]]System and method for programmatically generating a graphical program in response to state diagram information. The state diagram information [[may]] specify[[y]] a plurality of states and state transitions, ~~wherein each state transition specifies a transition from a first state to a second state.~~ A graphical program generation program (GPG program), [[may]] receive the state diagram information and automatically, i.e., programmatically, generate a graphical program (or graphical program portion) based on the state diagram information. The GPG program ~~may programmatically~~ automatically include graphical source code in a block diagram of the graphical program, which [[may]] serve as a framework of the states specified by the state diagram information and the state transitions ~~among the states.~~ ~~The graphical source code framework automatically generated by the GPG program may include, with~~ various “placeholders” or “containers” enabling the user to easily fill in the graphical program with source code ~~that specifies~~ specifying execution instructions for each state and Boolean conditions for each state transition. The specific graphical source code ~~that~~ is automatically generated [[may]] depend on programming features supported by a particular graphical programming development environment with which the graphical program is associated. ~~Examples of generating graphical source code for the LabVIEW graphical programming development environment are included. In one embodiment, the graphical program may be dynamically (programmatically) updated as the state diagram is being interactively constructed by the user. I.e., as the user performs various actions in a state diagram editor, such as adding or deleting states, adding or deleting transitions,~~

~~etc., the corresponding graphical program may be dynamically (programmatically)~~
updated to reflect the change.